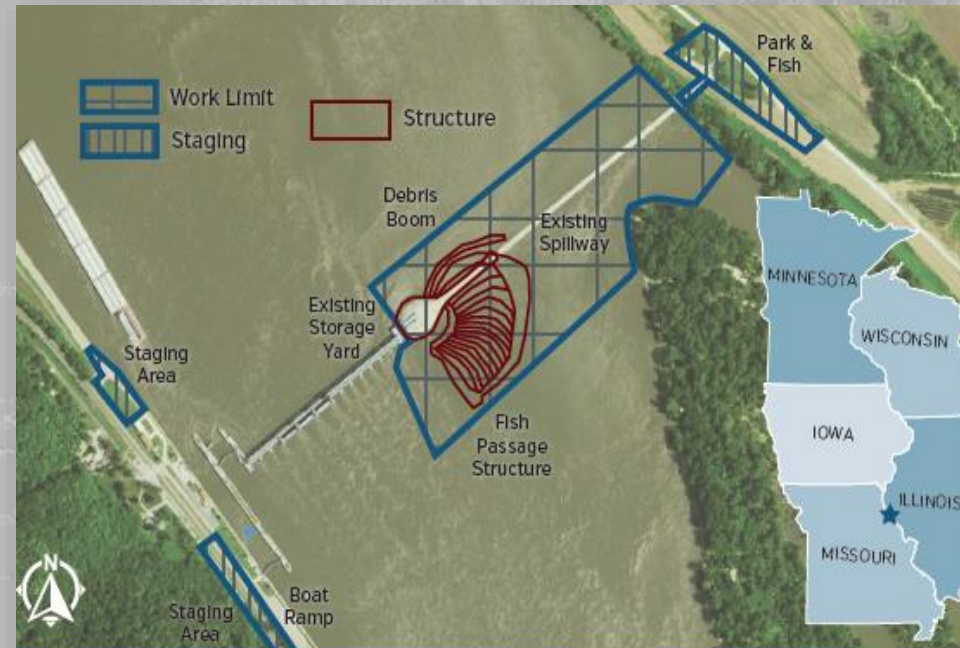


# ROCK ISLAND DISTRICT INFRASTRUCTURE INVESTMENT & JOBS ACT OVERVIEW

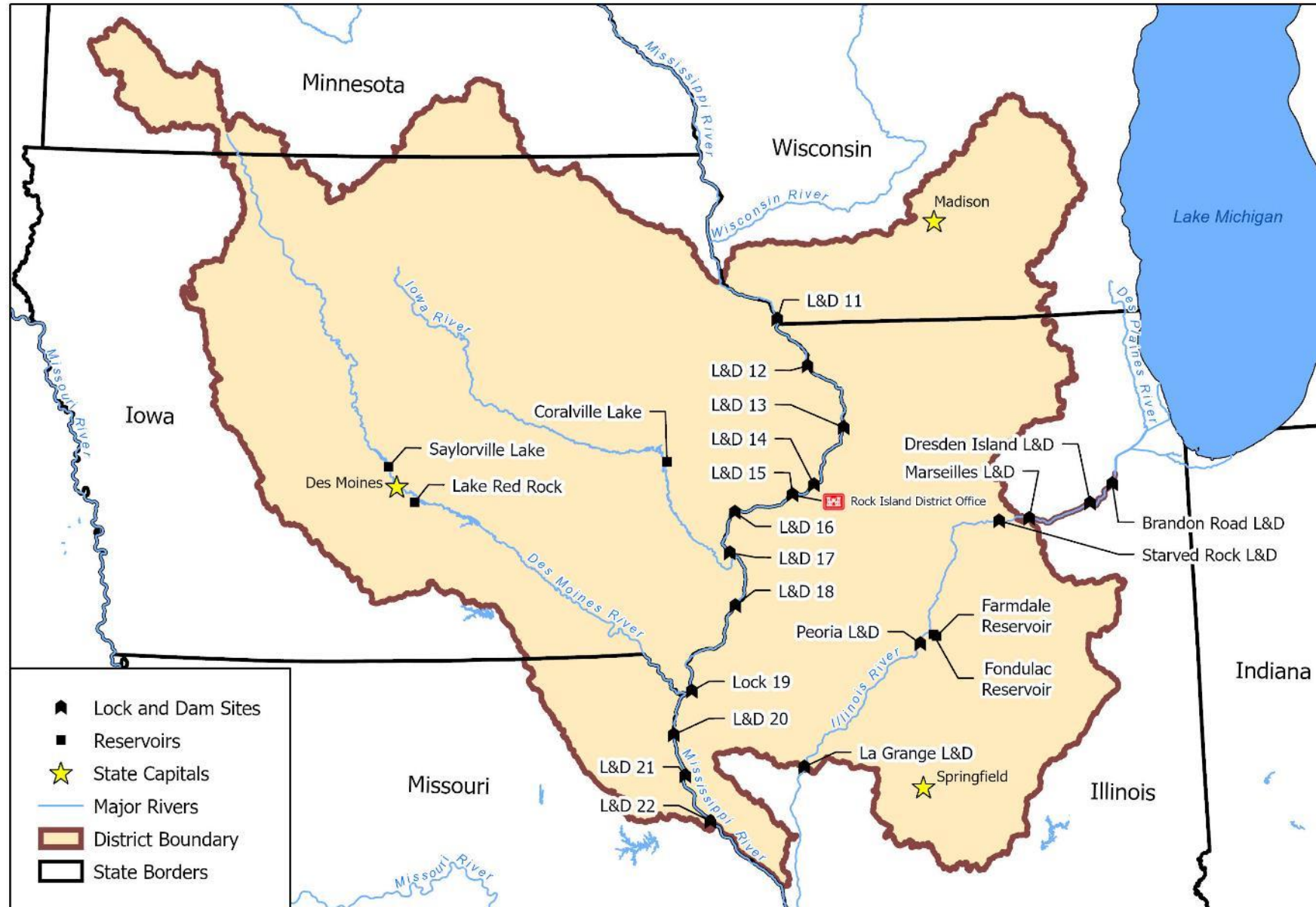
Iowa Freight Advisory Council 25 March 2022



US Army Corps  
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# ROCK ISLAND DISTRICT PROJECT AREAS





# INFRASTRUCTURE INVESTMENT AND JOBS ACT



## *What is in the infrastructure and Jobs Act?*

The Infrastructure Investment and Jobs Act signed into law on JAN 19, 2022, means historic investment that will modernize our roads, bridges, transit, rail, ports, airports, broadband, and drinking water and wastewater infrastructure. This legislation does not raise taxes on everyday Americans, and it will create good-paying jobs across a wide spectrum of the United States. IIJA provides \$550 billion in NEW spending on our nation's infrastructure over the next five years creating an average annual 1.5 million jobs for next ten years.

**USACE**

**IIJA\***



**FY2021**



- Investigations
- Construction
- Operation and Maintenance
- Mississippi River and Tributaries
- Flood Control and Coastal Emergencies
- Water Infrastructure Finance and Innovation Act (WIFIA)
- Regulatory Program
- Expenses and Office of the Assistant Secretary of the Army for Civil Works
- Formerly Utilized Sites Remedial Action Program



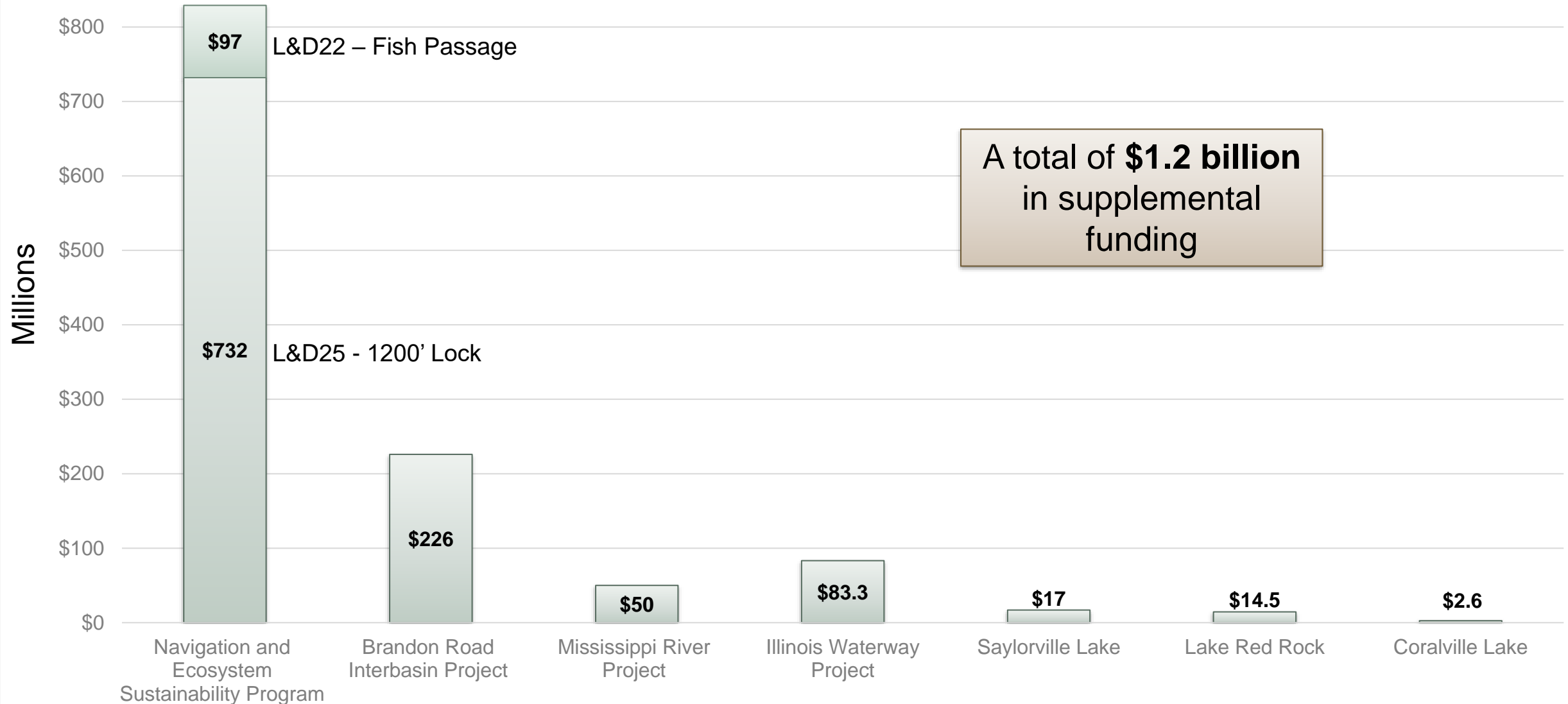
# ROCK ISLAND DISTRICT FUNDING TRENDS





# INFRASTRUCTURE INVESTMENT AND JOBS ACT

## IIJA funding for Rock Island District Programs & Projects





# NAVIGATION & ECOSYSTEM SUSTAINABILITY PROGRAM (NESP)

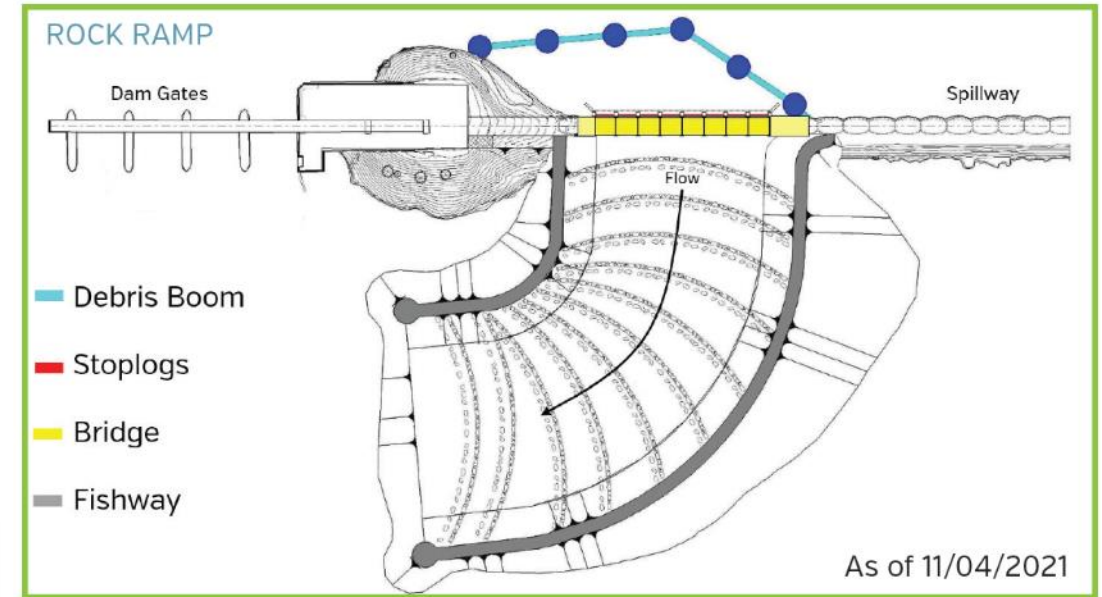


**Purpose:** A long-term program of navigation improvements and ecosystem restoration for the Upper Mississippi River System (UMRS).

**Goals:** Increase the capacity and improve the reliability of the inland navigation system while restoring, protecting, and enhancing the environment to ensure the economic and environmental sustainability of the UMRS.



L&D25 1200' Lock



L&D22 Fish Passage

Lock & Dam 25 – 1200' Lock (\$732M)

- Complete Design and Construction

Lock & Dam 22 – Fish Passage (\$97.1M)

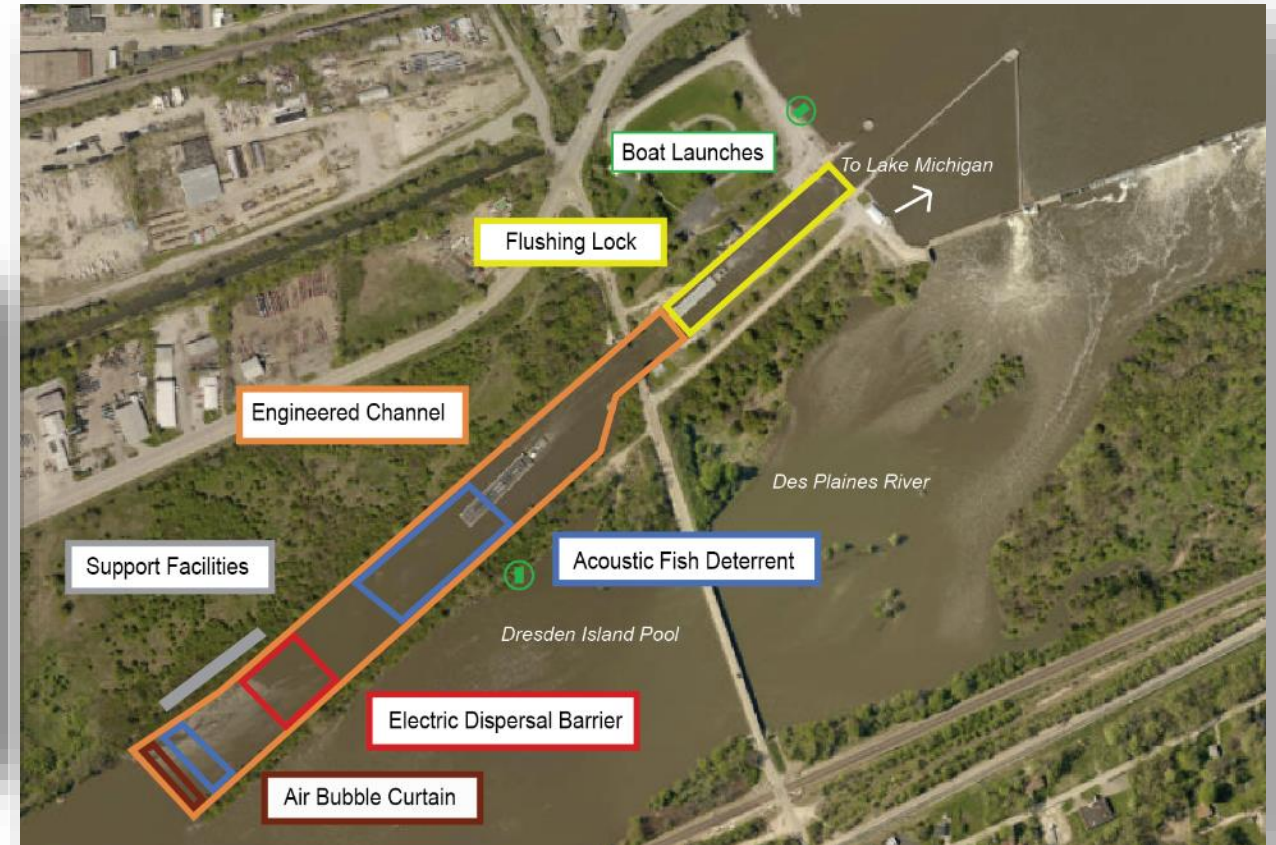
- Complete Design
- Initiate Construction



# BRANDON ROAD INTERBASIN PROJECT

## Construction New Start (\$226M)

- Complete Engineering and Design
- Construction of Phase 1 Deterrents
- Advance Nonstructural Controls



A complex ecosystem protection effort designed to prevent upstream movement of invasive carp and other aquatic nuisance species into the Great Lakes from the Illinois Waterway.





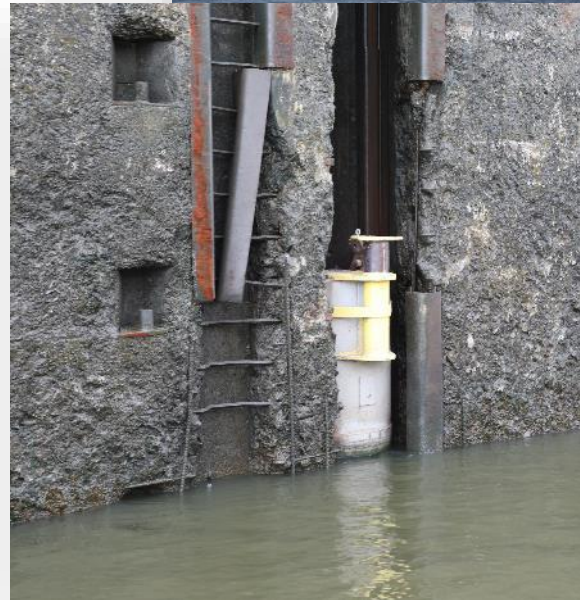
# OPERATIONS & MAINTENANCE – MISSISSIPPI RIVER

8



## Mississippi River Project (\$50M)

- L&D Scour Repair
- Lock Damage Repairs
- Lock Guide Wall Work
- Bulkhead Lifters
- Hydraulic Cylinders
- Miter Gate Anchorages
- Tainter Gates
- Electrical Work
- Dredging





# OPERATIONS & MAINTENANCE – ILLINOIS WATERWAY

## Illinois Waterway Project (\$83.3M)

- 2023 Closures Work
- Miter and Sector Gate Maintenance/Replacement
- L&D Equipment Replacement
- Wicket Gate Replacement
- Sector Gear and Electrical Work







# OPERATIONS & MAINTENANCE – SAYLORVILLE LAKE

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Saylorville Lake (\$17M)

- Construction of Administration and Maintenance Facility





## Lake Red Rock (\$14.5M)

- Construction of New Project Office and Visitor Center
- Replace Damaged Roofs
- Water Infrastructure Updates
- Shoreline Erosion and Parking Lot Repairs







# OPERATIONS & MAINTENANCE – CORALVILLE LAKE

## Coralville Lake (\$2.6M)

- Shoreline Erosion Repairs
- Road Repair
- Address Damaged Restrooms and Shower Buildings
- Control Tower Maintenance
- Sandblast/Paint Water Tower







# WE'RE HERE FOR YOU – CALL US!

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Colonel Jesse T. Curry  
District Commander  
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Ms. Kimberly S. Thomas  
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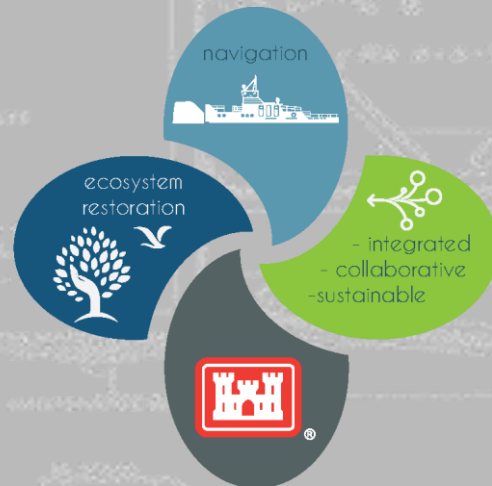
- We're always directly available to you – best to call us first!
- Always available to visit members and staff, locally or in Washington, D.C.
- You're always welcome to visit our projects and facilities.
- Provide Technical Support through variety of Programs and Authorities.
- We're Hiring!!!



# NAVIGATION AND ECOSYSTEM SUSTAINABILITY PROGRAM (NESP) UPDATE

Andrew Goodall, P.E., P.M.P.  
NESP Program Manager

Iowa Freight Advisory Council  
25 March 2022



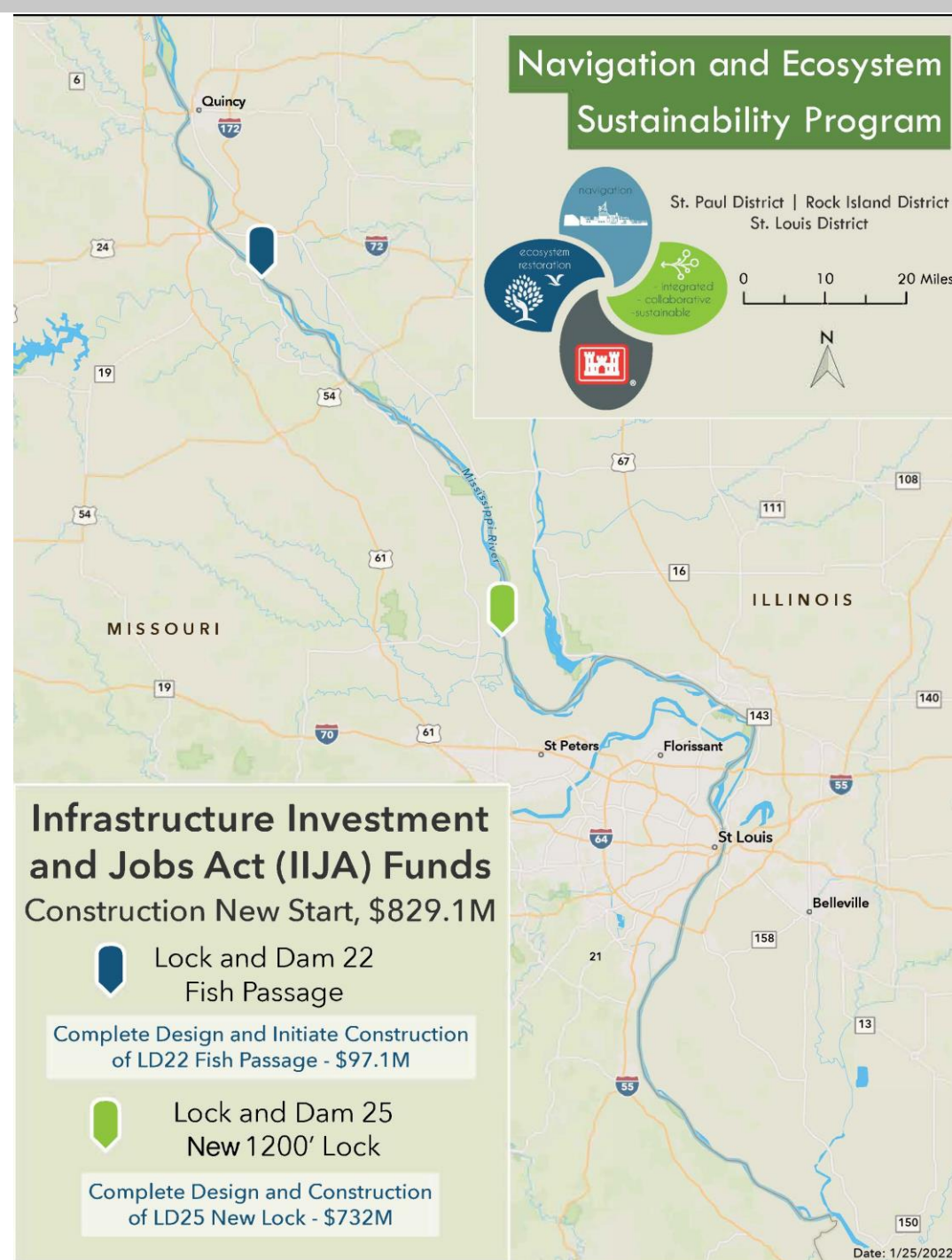
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# NESP INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) PROJECTS

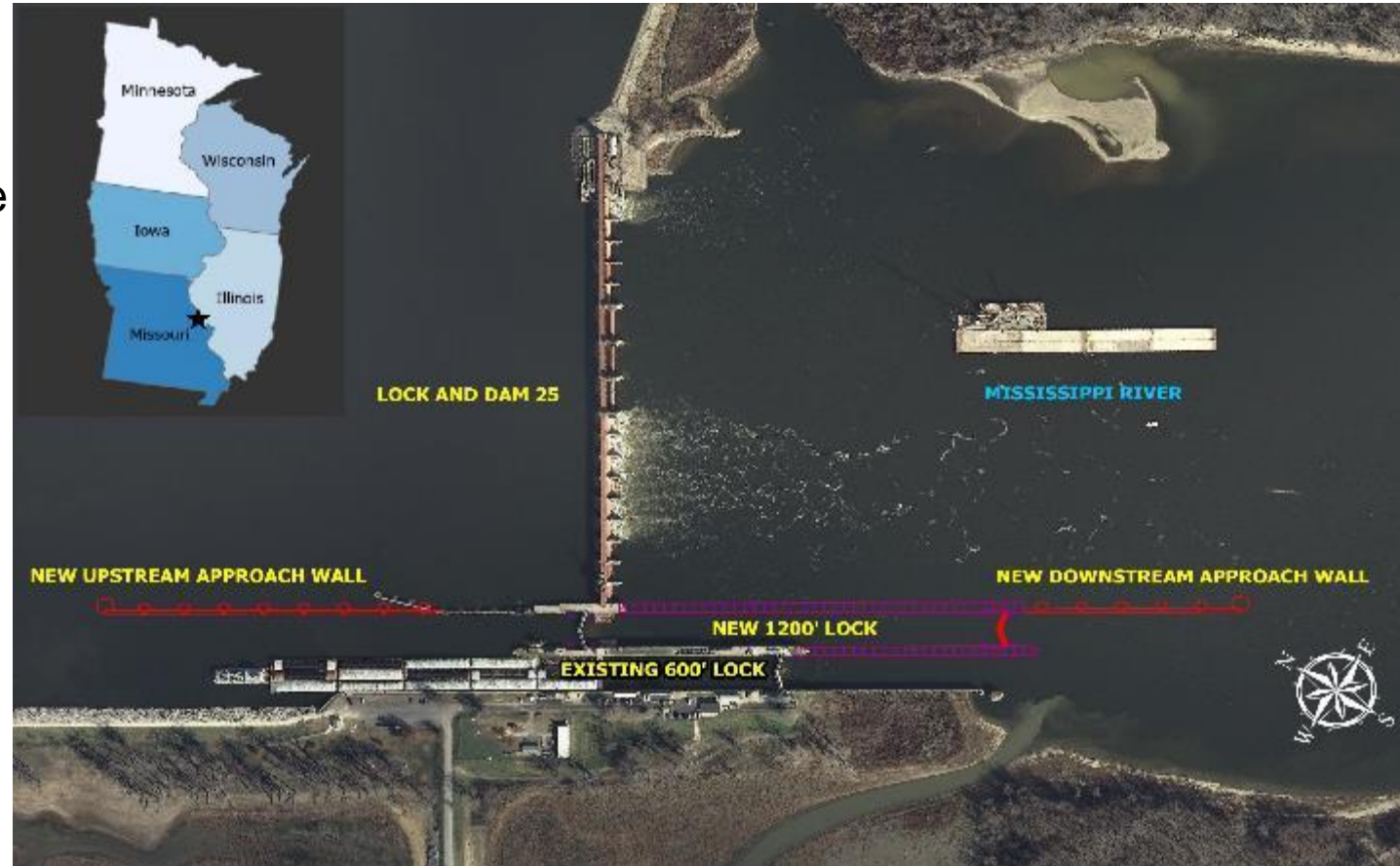
- The Navigation and Ecosystem Sustainability Program received a construction new start and construction general appropriations on Jan. 19, 2022, through the Infrastructure Investment and Jobs Act. The two projects funded were the Lock 25 1200' Lock and Lock 22 Fish Passage projects at \$732M and \$97.1M respectively.
- The NESP construction new start and construction appropriations mean that USACE is developing a plan for completion of both projects, with a goal to begin construction as quickly as possible.
- The combination of ecosystem and navigation in a single USACE program required many years of coordination with both the navigation and ecosystem partners and it will alter the future of the Upper Mississippi River System (UMRS) to ensure it remains the vital transportation and ecosystem corridor for the next 100+ years.





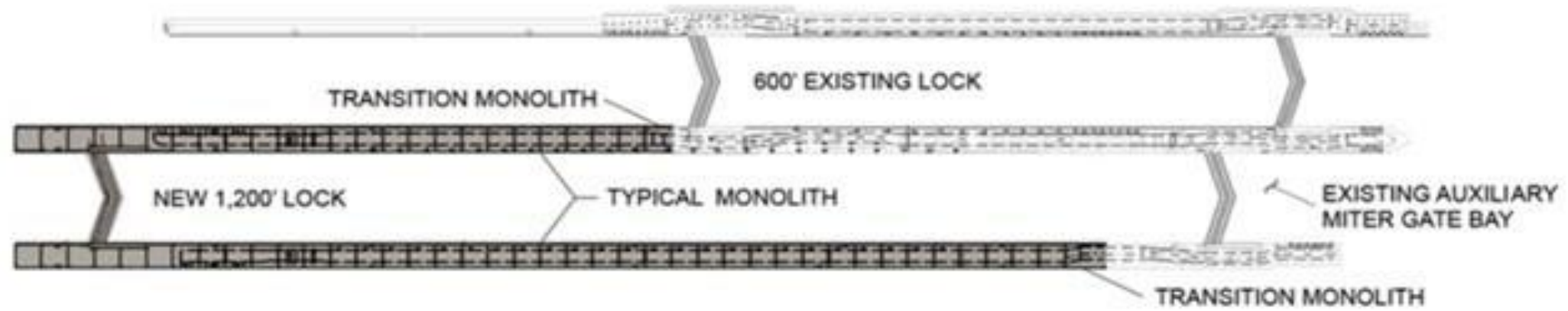
# LOCK 25 NEW 1200' LOCK

- The Lock 25 new 1200' Lock was fully funded at \$732M. This funding will be used to complete design and construct the project. The IIJA waived the Inland Waterways Trust Fund 65%/35% cost-share requirement.
- The primary purpose of the project is to improve efficiency, reliability, and safety for Navigation traffic transiting the facility along with adding additional operational redundancy at Lock 25.
- When complete, the new lock will reduce per lockage times from two and a half hours or more to approximately 45 minutes.



# PROJECT OBJECTIVES

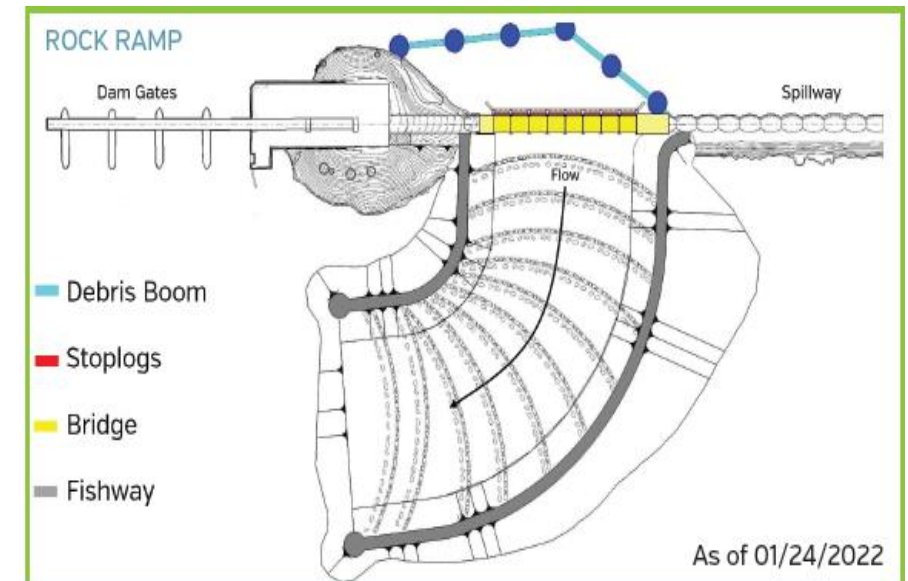
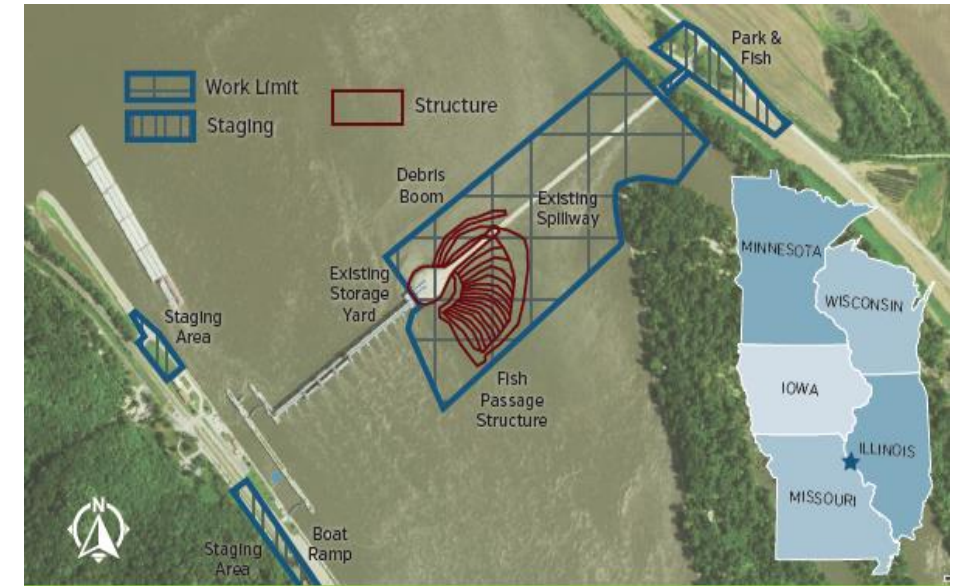
- Design and construction of a new 1,200-foot pile-founded lock chamber to be constructed on the downstream side of the existing auxiliary miter gate bay.
- Design and construction of a new upstream, ported approach wall.
- Design and construction of a downstream approach wall designed to block flow through the wall.
- The existing 600-foot lock will remain in operation during the design and construction of the new lock and will become an auxiliary lock chamber after completion.





# LOCK AND DAM 22 FISH PASSAGE

- The Lock and Dam 22 fish passage project was funded at \$97.1M. This funding will allow for completion of design and initiation of construction.
- The primary purpose of the project is to increase access to upstream mainstem river and tributary habitats. Increased access to upriver habitats will result in an increase in the size and distribution of 30 native migratory fish populations, effectively returning this area of the river to a pre-lock and dam state.
- When complete, the fish passage structure will permanently restore the connection between river pools for native fish species.



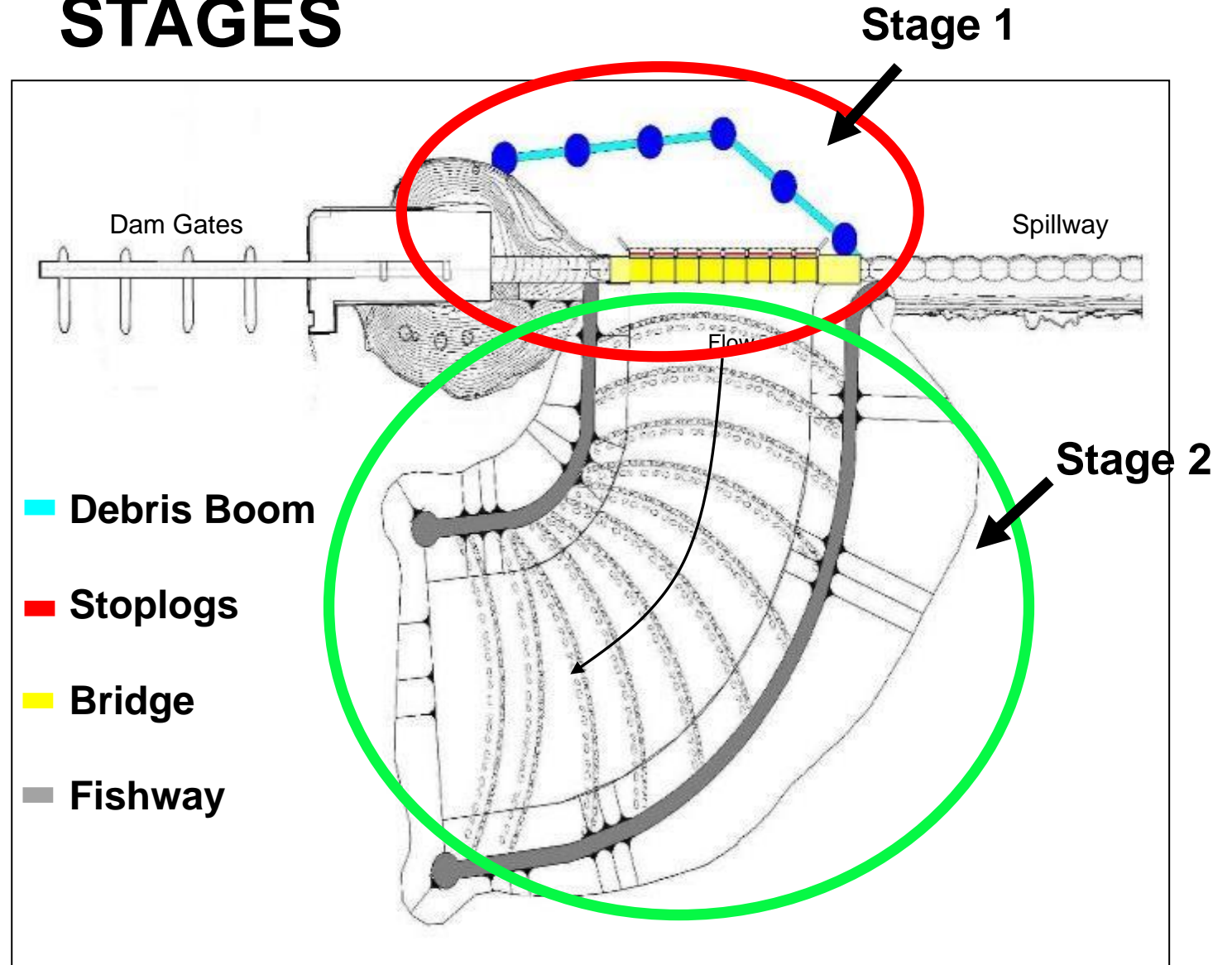


# LD 22 FISH PASSAGE PROPOSED CONSTRUCTION STAGES

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- Stage 1 -
  - Inlet Structure
  - Ice/Debris Structure
- Stage 2 –
  - Rock Arch Fish Passage

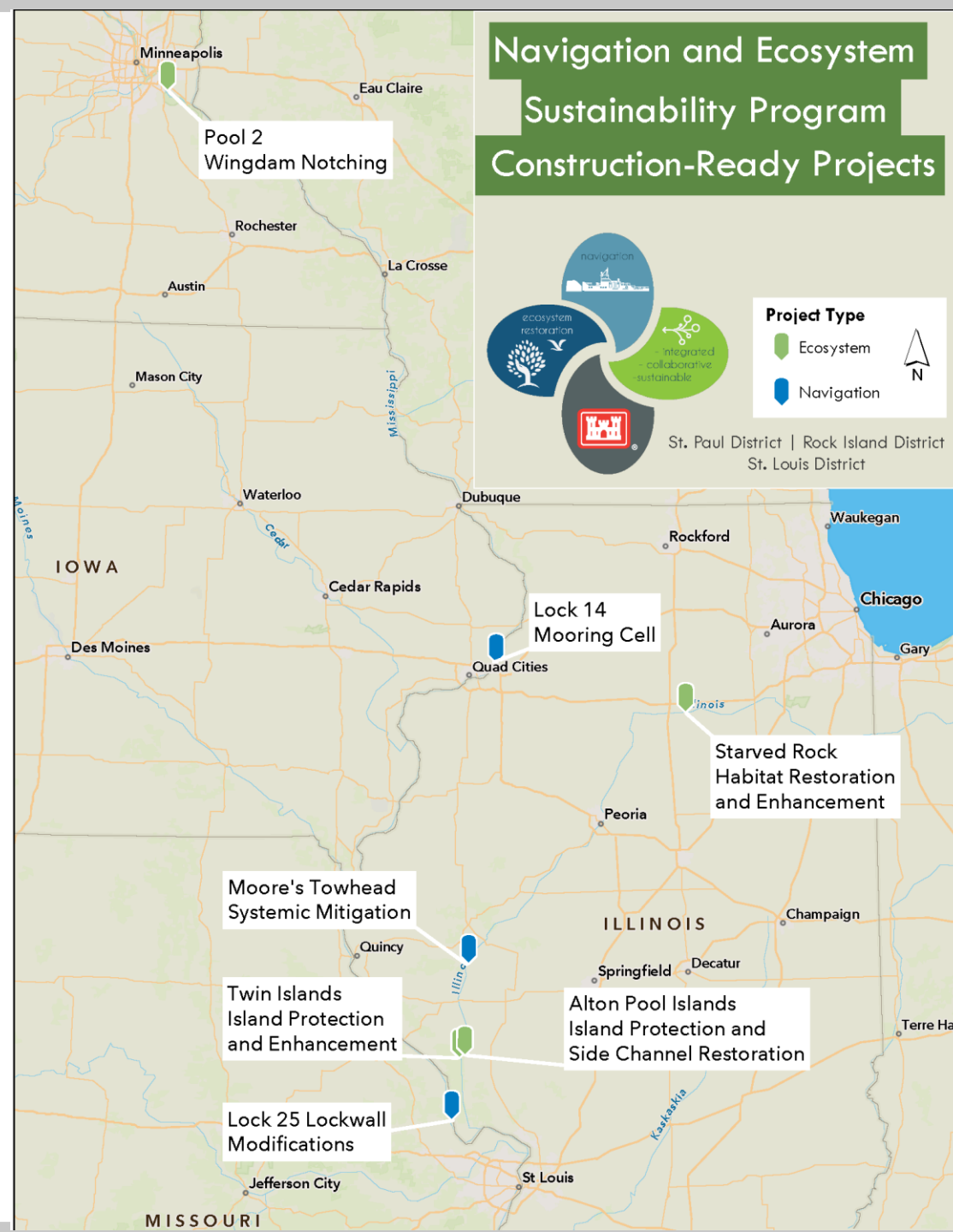






# ADDITIONAL NESP PROJECTS

- NESP received \$45.1M through the FY22 appropriations bill. This funding will be used for navigation and ecosystem project construction contracts and design.
- Navigation projects:
  - Lock 14 mooring cell construction contract
  - Moore's Towhead systemic mitigation construction contract
  - LaGrange new 1200' lock design
  - Systemic mitigation project feasibility
- Ecosystem projects:
  - Twin Island, Alton Pool, Starved Rock construction contracts
  - Ecosystem project feasibility (4-6 projects)





# NAVIGATION - LOCK 14 MOORING CELL

## Project Outcome

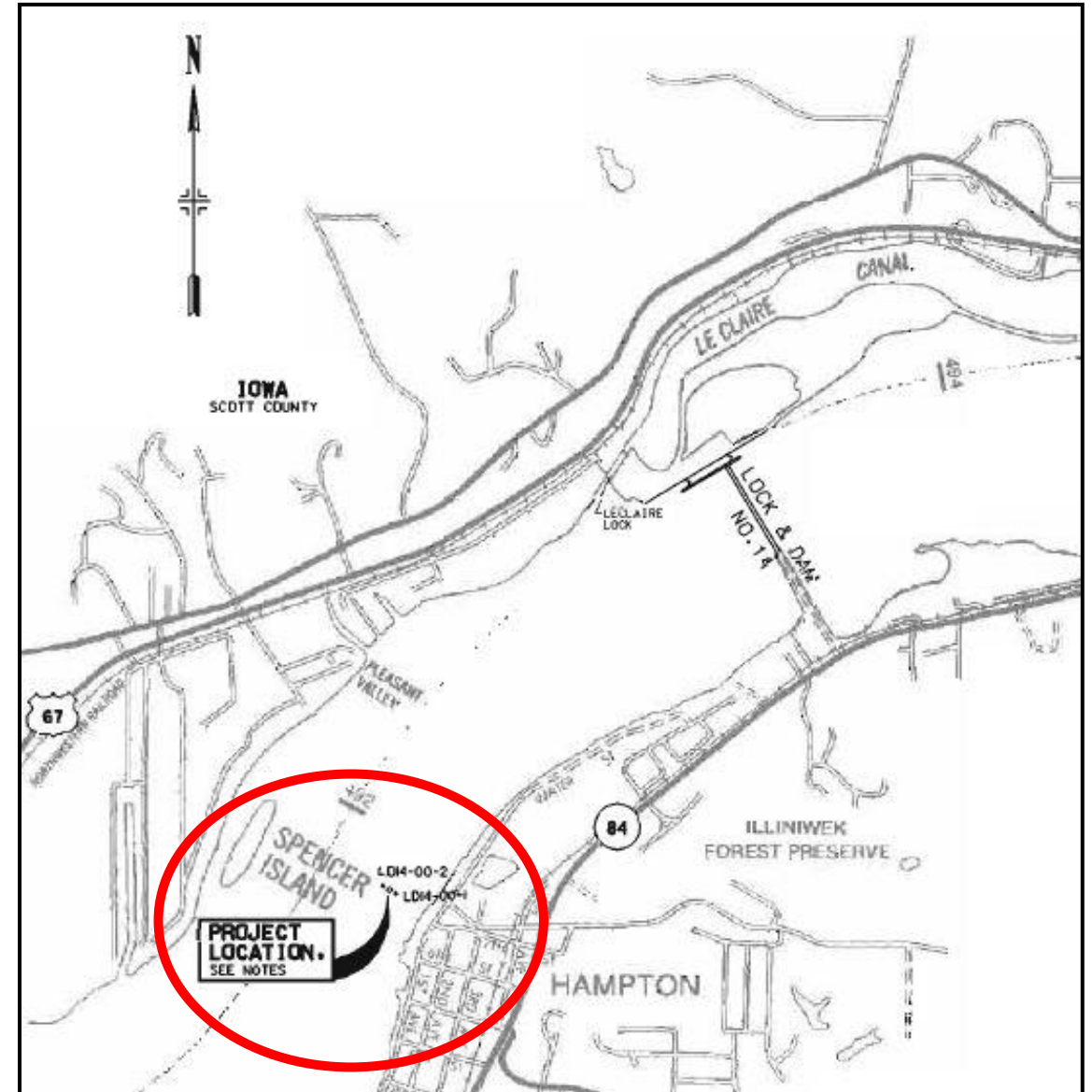
- Provide a mooring location for tows entering lock 14 (one cell)
- Efficiency is gained when a waiting tow can moor, or wait, in a more efficient location for approaching the lock.
- A mooring facility located in the right location can provide this efficiency.

## Long-term benefits

- Time savings for each approaching tow

## Current Status

- Targeted construction contract award in FY22





# QUESTIONS?